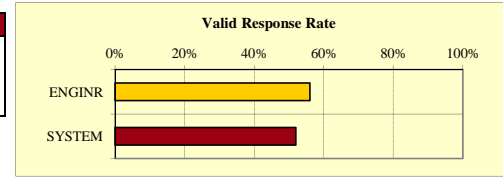


B.C. Baccalaureate Outcomes 2013 Survey of 2011 Baccalaureate Graduates

RESPONSE RATE

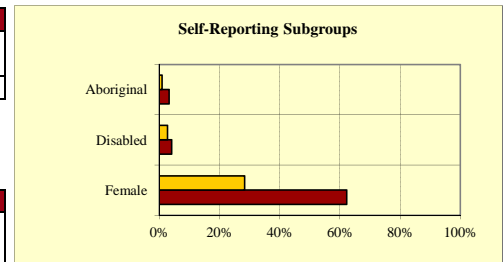
| 1. Survey Response Rate: | ENGINR | SYSTEM | | |
|--|--------|--------|-----|--|
| 2011 Baccalaureate Graduates Survey Cohort | 1,949 | 18,694 | | |
| Net Frame | 1,703 | 16,919 | | |
| Survey Respondents and Valid Response Rate | 954 | 8,802 | 52% | |

Note: ~ = low cell count; data suppressed



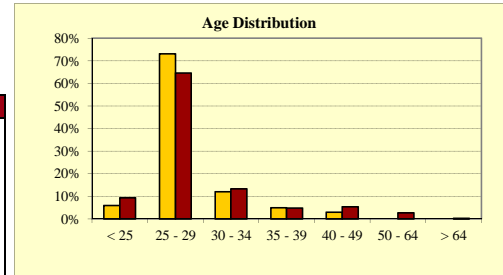
DEMOGRAPHIC INFORMATION

| 2. Gender: | ENGINR | SYSTEM | | |
|------------|--------|--------|------|------|
| Male | 683 | 3,316 | 72% | 38% |
| Female | 271 | 5,485 | 28% | 62% |
| Total | 954 | 8,801 | 100% | 100% |

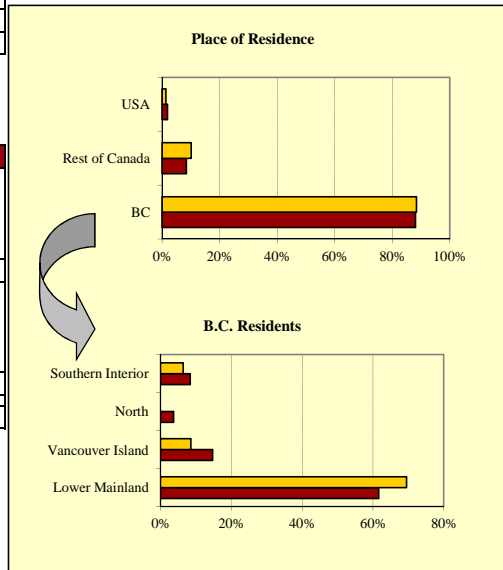


| 3. Self-Reporting Subgroups: | ENGINR | SYSTEM | | |
|------------------------------|--------|--------|----|----|
| Disabled | 27 | 366 | 3% | 4% |
| Aboriginal | 10 | 293 | 1% | 3% |

| 4. Age (at time of survey): | ENGINR | SYSTEM | | |
|-----------------------------|--------|--------|------|------|
| < 25 | 56 | 813 | 6% | 9% |
| 25 to 29 | 698 | 5,681 | 73% | 65% |
| 30 to 34 | 115 | 1,165 | 12% | 13% |
| 35 to 39 | 47 | 422 | 5% | 5% |
| 40 to 49 | 28 | 465 | 3% | 5% |
| 50 to 64 | ~ | 233 | ~ | 3% |
| > 64 | ~ | 17 | ~ | 0% |
| Unknown | - | 6 | 0% | 0% |
| Total | 954 | 8,796 | 100% | 100% |
| Mean Age: | 28.2 | 29.1 | | |



| 5. Place of Residence (at time of survey): | ENGINR | SYSTEM | | |
|--|--------|--------|------|------|
| BC - Lower Mainland | 583 | 4,724 | 69% | 62% |
| BC - Vancouver Island | 72 | 1,131 | 9% | 15% |
| BC - North | ~ | 280 | ~ | 4% |
| BC - Southern Interior | 54 | 646 | 6% | 8% |
| BC Subtotal | 739 | 6,781 | 88% | 88% |
| Canada - Alberta | 57 | 413 | 7% | 5% |
| Canada - Ontario | ~ | 220 | ~ | 3% |
| Canada - Other | 14 | 146 | 2% | 2% |
| U.S.A. | 16 | 106 | 2% | 1% |
| Non-BC Subtotal | 100 | 885 | 12% | 12% |
| Total | 839 | 7,666 | 100% | 100% |

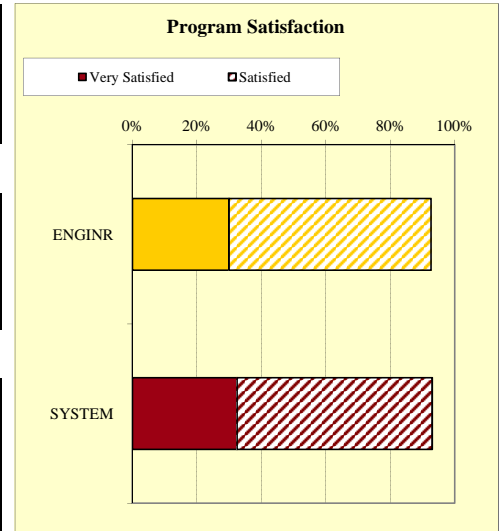


EDUCATION EVALUATION AND SKILL DEVELOPMENT

| 6. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work: | ENGINR | | SYSTEM | |
|--|--------|-----|--------|-----|
| Very Useful | 315 | 39% | 2,852 | 40% |
| Somewhat Useful | 406 | 50% | 3,142 | 44% |
| Not Very Useful | 75 | 9% | 770 | 11% |
| Not at All Useful | 19 | 2% | 319 | 5% |

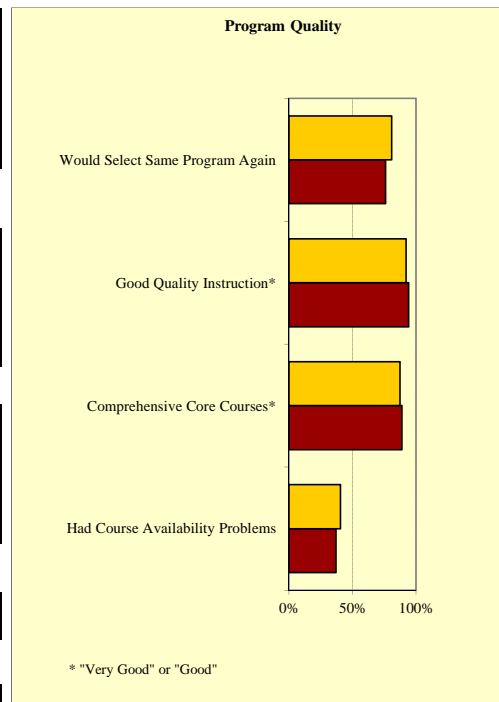
| 7. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Day-to-day Life: | ENGINR | | SYSTEM | |
|---|--------|-----|--------|-----|
| Very Useful | 138 | 17% | 1,831 | 26% |
| Somewhat Useful | 436 | 54% | 3,763 | 53% |
| Not Very Useful | 193 | 24% | 1,213 | 17% |
| Not at All Useful | 47 | 6% | 266 | 4% |

| 8. Program Satisfaction: | ENGINR | | SYSTEM | |
|--------------------------|--------|------|--------|------|
| Very Satisfied | 283 | 30% | 2,832 | 32% |
| Satisfied | 592 | 63% | 5,280 | 60% |
| Dissatisfied | 57 | 6% | 514 | 6% |
| Very Dissatisfied | 13 | 1% | 102 | 1% |
| Total | 945 | 100% | 8728 | 100% |



| 9. Would you select the same program again? | ENGINR | | SYSTEM | |
|--|--------|------|--------|------|
| Yes | 699 | 81% | 6,060 | 76% |
| No, because . . . (multiple response question) | 165 | | 1,911 | |
| . . . interests have changed | 49 | 12%* | 515 | 11%* |
| . . . courses were not practical | 80 | 19%* | 890 | 18%* |
| . . . little or no career opportunities | 60 | 14%* | 1,019 | 21%* |
| . . . other | 233 | 55%* | 2,393 | 50%* |

* Percent of total responses, among those who would not take program again



| 10. Quality of Instruction: | ENGINR | | SYSTEM | |
|-----------------------------|--------|------|--------|------|
| Very Good | 224 | 24% | 2,835 | 32% |
| Good | 646 | 68% | 5,408 | 62% |
| Poor | 63 | 7% | 448 | 5% |
| Very Poor | 11 | 1% | 59 | 1% |
| Total | 944 | 100% | 8,750 | 100% |

| 11. Comprehensiveness of Core Courses: | ENGINR | | SYSTEM | |
|--|--------|------|--------|------|
| Very Good | 226 | 24% | 2,368 | 27% |
| Good | 595 | 63% | 5,305 | 61% |
| Poor | 107 | 11% | 849 | 10% |
| Very Poor | 13 | 1% | 122 | 1% |
| Total | 941 | 100% | 8,644 | 100% |

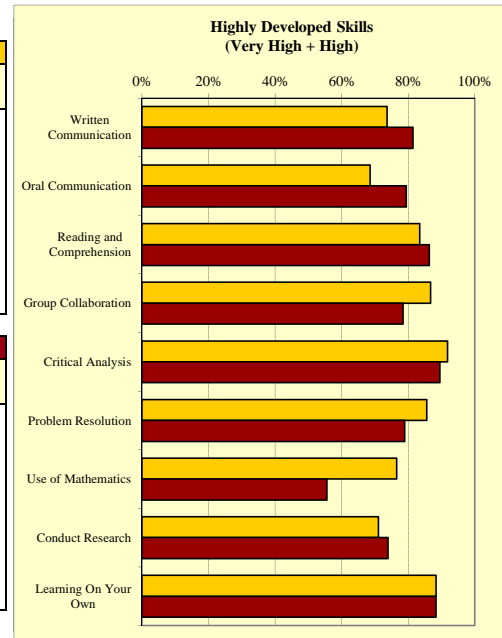
| 12. Course Availability: | ENGINR | | SYSTEM | |
|--|--------|-----|--------|-----|
| Encountered course availability problems | 378 | 41% | 3,185 | 37% |

| 13. Financial Constraints: | ENGINR | | SYSTEM | |
|---|--------|-----|--------|-----|
| Had to interrupt studies for financial reasons | 59 | 6% | 958 | 11% |
| Had to take all/part of program part-time for financial reasons | 101 | 11% | 1,618 | 18% |

SKILL DEVELOPMENT

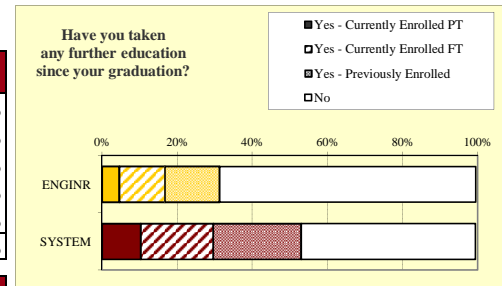
| 14a. To what degree did program help you develop the following skills? | ENGNR | | | | # Resp. |
|--|-----------|------|-----|----------|---------|
| | Very High | High | Low | Very Low | |
| Written Communication | 18% | 55% | 23% | 4% | 922 |
| Oral Communication | 17% | 51% | 28% | 3% | 926 |
| Reading and Comprehension | 26% | 58% | 14% | 2% | 929 |
| Group Collaboration | 40% | 47% | 11% | 2% | 946 |
| Critical Analysis | 45% | 47% | 7% | 1% | 950 |
| Problem Resolution | 34% | 52% | 12% | 2% | 939 |
| Use of Mathematics Appropriate to Field | 35% | 42% | 19% | 5% | 914 |
| Conduct Research | 25% | 46% | 24% | 5% | 931 |
| Learning On Your Own | 44% | 44% | 10% | 2% | 944 |

| 14b. To what degree did program help you develop the following skills? | SYSTEM | | | | # Resp. |
|--|-----------|------|-----|----------|---------|
| | Very High | High | Low | Very Low | |
| Written Communication | 29% | 52% | 16% | 3% | 8,486 |
| Oral Communication | 26% | 53% | 19% | 2% | 8,572 |
| Reading and Comprehension | 33% | 53% | 12% | 2% | 8,563 |
| Group Collaboration | 34% | 44% | 18% | 3% | 8,626 |
| Critical Analysis | 44% | 45% | 9% | 1% | 8,726 |
| Problem Resolution | 26% | 53% | 18% | 3% | 8,538 |
| Use of Mathematics Appropriate to Field | 18% | 38% | 31% | 14% | 6,681 |
| Conduct Research Appropriate to Field | 29% | 45% | 21% | 5% | 8,432 |
| Learning On Your Own | 42% | 47% | 10% | 2% | 8,661 |

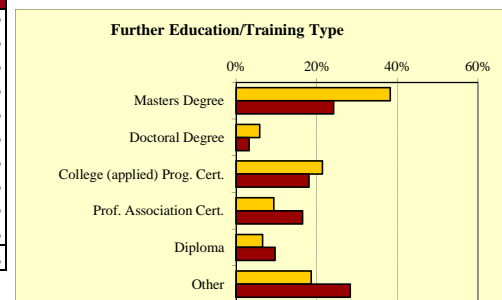


FURTHER EDUCATION

| 15a. Took further education since 2011 graduation | ENGNR | SYSTEM |
|---|----------|------------|
| Yes: | 302 32% | 4,705 54% |
| Not currently enrolled | 138 15% | 2,052 23% |
| Currently enrolled full-time | 115 12% | 1,694 19% |
| Currently enrolled part-time | 44 5% | 905 10% |
| No | 647 68% | 4,070 46% |
| Total | 949 100% | 8,775 100% |

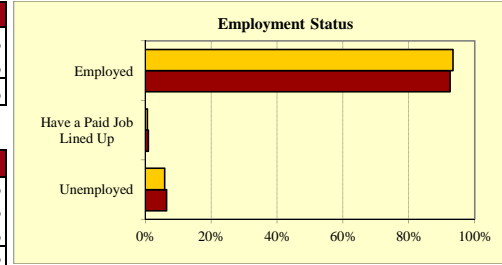


| 15b. Type of Formal Post-Secondary Education | ENGNR | SYSTEM |
|--|----------|------------|
| Masters Degree | 111 38% | 1,113 24% |
| Doctoral Degree | 17 6% | 147 3% |
| College (applied) Program Certification | 62 21% | 833 18% |
| Professional Association Certification | 27 9% | 758 16% |
| Diploma | 19 7% | 445 10% |
| Doctor of Medicine (MD) | 1 0% | 118 3% |
| Doctor of Dental Medicine (DMD) | - 0% | 18 0% |
| Education/Teacher Training | 2 1% | 365 8% |
| Law | 1 0% | 176 4% |
| Other | 50 17% | 627 14% |
| Total Respondents | 290 100% | 4,600 100% |



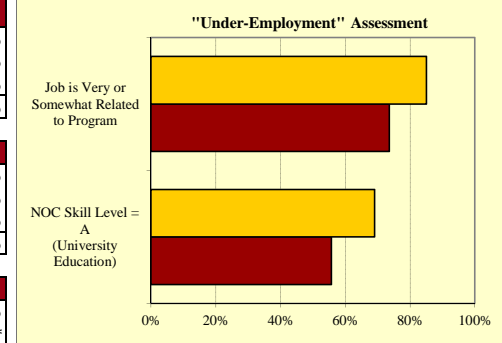
EMPLOYMENT

| 16. Labour Force Status: | ENGINR | SYSTEM |
|---|----------|------------|
| In Labour Force (working or seeking work) | 876 92% | 7,681 88% |
| Not in Labour Force | 74 8% | 1,085 12% |
| Grand Total | 950 100% | 8,766 100% |



| 17. Employment Status of those IN Labour Force: | ENGINR | SYSTEM |
|---|----------|------------|
| Employed | 818 93% | 7,102 92% |
| Have a Paid Job Lined Up | 6 1% | 75 1% |
| Unemployed | 52 6% | 504 7% |
| Total Labour Force | 876 100% | 7,681 100% |

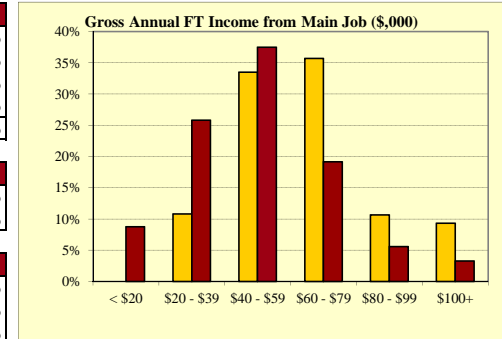
| 18. Status of Graduates NOT in Labour Force: | ENGINR | SYSTEM |
|--|---------|------------|
| Attending School FT | 53 72% | 818 75% |
| Attending School PT | 5 7% | 34 3% |
| Other | 16 22% | 233 21% |
| Total NOT in Labour Force | 74 100% | 1,085 100% |



| 19. Employment Type: | ENGINR | SYSTEM |
|--------------------------------------|----------|------------|
| Paid worker | 744 91% | 6,297 89% |
| Self-employed | 28 3% | 330 5% |
| Both a paid worker and self-employed | 46 6% | 473 7% |
| Total Employed | 818 100% | 7,102 100% |

| 20. Job Characteristics: | ENGINR | SYSTEM |
|---|-----------|------------|
| I hold more than one job | 69 8%* | 1,469 21% |
| My main job is full-time (>= 30 hours per week) | 760 95%** | 5,738 84%* |

* of total employed ** of those who provided data on hours/week worked



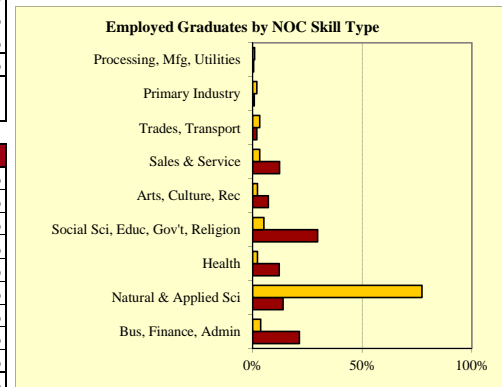
| 21. How related is your main job to your program? | ENGINR | SYSTEM |
|---|----------|------------|
| Very Related | 379 46% | 3,100 44% |
| Somewhat Related | 317 39% | 2,122 30% |
| Not Very Related | 77 9% | 861 12% |
| Not At All Related | 45 6% | 1,008 14% |
| Total | 818 100% | 7,091 100% |

| 22. "Under-employment" Assessment: | ENGINR | SYSTEM |
|--|---------|-----------|
| Job is very or somewhat related to program | 696 85% | 5,222 74% |
| NOC Skill Level = A (University Education) | 542 69% | 3,828 56% |

* of total valid responses

| 23. Gross Annual Income from Main Job:* | ENGINR | SYSTEM |
|---|----------|------------|
| Less than \$20,000 | ~ | 512 9% |
| \$20,000 to \$39,999 | 73 11% | 1,510 26% |
| \$40,000 to \$59,999 | 226 33% | 2,191 37% |
| \$60,000 to \$79,999 | 241 36% | 1,119 19% |
| \$80,000 to \$99,999 | 72 11% | 325 6% |
| \$100,000 and Above | 63 9% | 191 3% |
| Total | 675 100% | 5,848 100% |
| Median Annual Income (full-time) | \$60,000 | \$50,000 |
| Average Annual Income (full-time) | \$63,850 | \$52,803 |

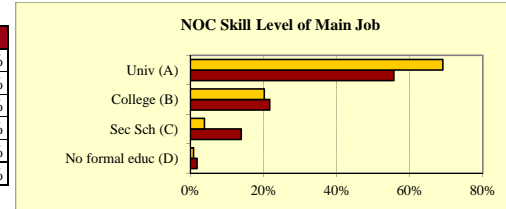
* where data provided



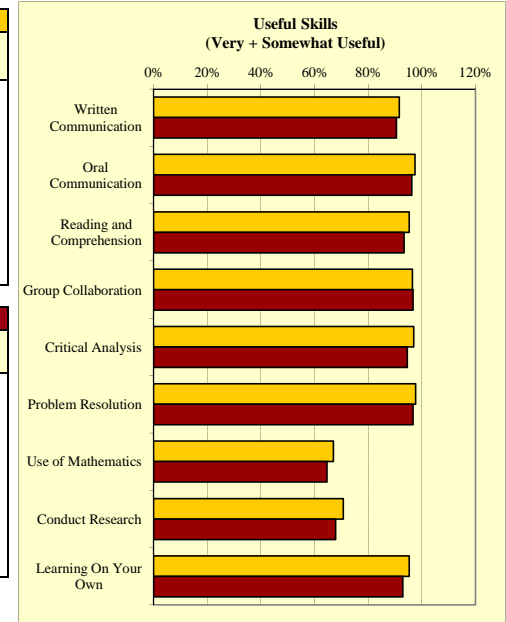
| 24. NOC Skill Type of Main Job: | ENGINR | SYSTEM |
|---|----------|------------|
| Business, Finance and Administration | 29 4% | 1,466 21% |
| Natural and Applied Sciences and Related | 606 77% | 954 14% |
| Health | 18 2% | 836 12% |
| Social Sciences, Educ., Gov't Services, Religion | 40 5% | 2,033 30% |
| Arts, Culture, Recreation and Sport | 18 2% | 497 7% |
| Sales and Service | 26 3% | 844 12% |
| Trades, Transport and Eqp. Operators and Related | 26 3% | 138 2% |
| Unique to the Primary Industry | 15 2% | 52 1% |
| Unique to Processing, Manufacturing and Utilities | 7 1% | 33 0% |
| Total | 785 100% | 6,853 100% |

EMPLOYMENT, continued

| 25. NOC Skill Level of Main Job: | ENGR | | SYSTEM | |
|---|------|------|--------|------|
| A. University education | 542 | 69% | 3,828 | 56% |
| B. College education/trade apprenticeship | 159 | 20% | 1,493 | 22% |
| C. Secondary school + job-specific training | 30 | 4% | 956 | 14% |
| D. No formal education | 7 | 1% | 128 | 2% |
| No skill level assigned (management) | 47 | 6% | 467 | 7% |
| Total | 785 | 100% | 6,872 | 100% |



| 26a. How useful are the following skills and abilities in doing your main job? | ENGR | | | | |
|--|-------------|-----------------|-----------------|-------------------|---------|
| | Very Useful | Somewhat Useful | Not Very Useful | Not at all Useful | # Resp. |
| Written Communication | 64% | 28% | 6% | 2% | 814 |
| Oral Communication | 76% | 21% | 2% | 0% | 813 |
| Reading and Comprehension | 67% | 28% | 3% | 1% | 813 |
| Group Collaboration | 77% | 20% | 3% | 0% | 813 |
| Critical Analysis | 80% | 17% | 2% | 1% | 813 |
| Problem Resolution | 82% | 16% | 2% | 0% | 813 |
| Use of Mathematics Appropriate to Field | 30% | 37% | 24% | 9% | 805 |
| Use of Computers Appropriate to Field | 34% | 37% | 20% | 10% | 811 |
| Learning On Your Own | 73% | 23% | 3% | 1% | 814 |



| 26b. How useful are the following skills and abilities in doing your main job? | SYSTEM | | | | |
|--|-------------|-----------------|-----------------|-------------------|---------|
| | Very Useful | Somewhat Useful | Not Very Useful | Not at all Useful | # Resp. |
| Written Communication | 70% | 21% | 6% | 4% | 7,064 |
| Oral Communication | 80% | 17% | 3% | 1% | 7,068 |
| Reading and Comprehension | 71% | 22% | 4% | 2% | 7,067 |
| Group Collaboration | 81% | 16% | 3% | 1% | 7,071 |
| Critical Analysis | 75% | 20% | 4% | 2% | 7,067 |
| Problem Resolution | 80% | 16% | 2% | 1% | 7,066 |
| Use of Mathematics Appropriate to Field | 31% | 34% | 21% | 15% | 6,982 |
| Ability to Conduct Research | 34% | 34% | 18% | 14% | 7,011 |
| Learning On Your Own | 67% | 25% | 5% | 2% | 7,065 |

| 27a. Top 10 Full-time Occupations of ENGR Graduates: | | | | ENGR |
|--|-------------|---|--|------------------------------|
| NOC | Skill Level | Description | | % Employed FT in this Occ.** |
| 2174 | A | Computer Programmers/Interactive Media Developers | | 12% |
| 2131 | A | Civil Engineers | | 8% |
| 2132 | A | Mechanical Engineers | | 8% |
| 2133 | A | Electrical & Electronics Engineers | | 7% |
| 2173 | A | Software Engineers | | 7% |
| 2171 | A | Information Systems Analysts and Consultants | | 2% |
| 2121 | A | Biologists & Related Scientists | | 2% |
| 2147 | A | Computer Engineers | | 2% |
| 2143 | A | Mining Engineers | | 2% |
| 0711 | N/A | Construction Managers | | 2% |

*data not displayed where n < 5

**percentages cited are of those for whom occupational data was provided, full-time and part-time

| 27b. Top 10 Full-time Occupations of Graduates from All Programs: | | | | SYSTEM |
|---|-------------|---|--|------------------------------|
| NOC | Skill Level | Description | | % Employed FT in this Occ.** |
| 3152 | A | Registered Nurses | | 8% |
| 4142 | A | Elem & Kindergarten Teacher | | 5% |
| 4141 | A | Secondary School Teachers | | 4% |
| 1111 | A | Financial Auditors & Acnts | | 4% |
| 5124 | A | Occs in Public Relations & Comm | | 3% |
| 4212 | B | Community & Social Srvc Workers | | 2% |
| 2174 | A | Computer Programmers/Interactive Media Developers | | 2% |
| 4112 | A | Lawyers & Quebec Notaries | | 1% |
| 4152 | A | Social Workers | | 1% |
| 2131 | A | Civil Engineers | | 1% |

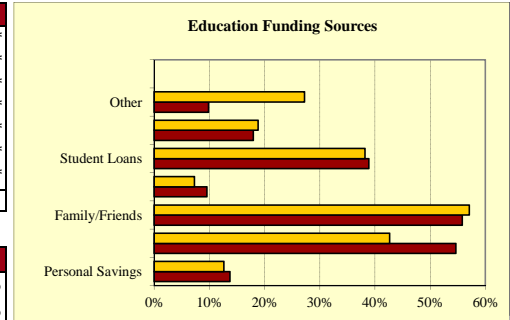
*data not displayed where n < 5

**percentages cited are of those for whom occupational data was provided, full-time and part-time

EDUCATION FINANCING

| 28. Education Funding Sources (2 sources per respondent): | ENGINR | | SYSTEM | |
|---|------------|------|--------------|------|
| Personal Savings | 107 | 13%* | 1,083 | 14%* |
| Employment | 362 | 43%* | 4,309 | 55%* |
| Family/Friends | 484 | 57%* | 4,401 | 56%* |
| Bank Loans | 62 | 7%* | 753 | 10%* |
| Student Loans | 324 | 38%* | 3,064 | 39%* |
| Scholarships/Bursaries/Grants | 160 | 19%* | 1,417 | 18%* |
| Other | 231 | 27%* | 775 | 10%* |
| Total Respondents | 848 | | 7,880 | |

* Percentage of respondents who identified this source

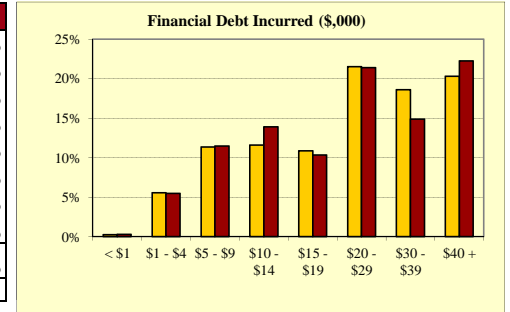


| 29. Financial Debt Incurred to Finance Bac. Education: | ENGINR | | SYSTEM | |
|--|--------|------|--------|------|
| Incurred any form of financial debt | 414 | 48%* | 3,904 | 49%* |
| Incurred government-sponsored student loan debt | 308 | 36%* | 2,780 | 35%* |

* Percentage of respondents who provided data

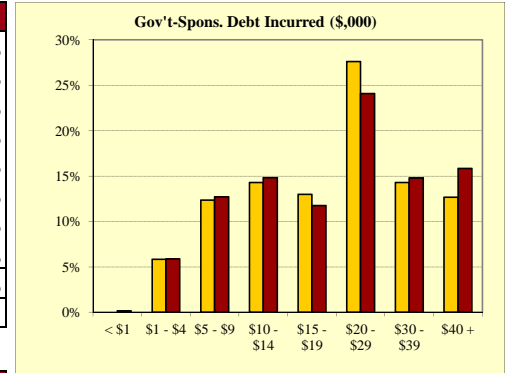
| 30. Financial Debt Amount:* | ENGINR | | SYSTEM | |
|------------------------------|-----------------|-------------|-----------------|-------------|
| < \$1,000 | 1 | 0% | 12 | 0% |
| \$1,000 to \$4,999 | 23 | 6% | 214 | 5% |
| \$5,000 to \$9,999 | 47 | 11% | 448 | 11% |
| \$10,000 to \$14,999 | 48 | 12% | 543 | 14% |
| \$15,000 to \$19,999 | 45 | 11% | 403 | 10% |
| \$20,000 to \$29,999 | 89 | 21% | 835 | 21% |
| \$30,000 to \$39,999 | 77 | 19% | 581 | 15% |
| \$40,000 or More | 84 | 20% | 868 | 22% |
| Total | 414 | 100% | 3,904 | 100% |
| Median Financial Debt | \$23,000 | | \$20,000 | |

*includes only cases where financial debt was incurred



| 31. Government-Sponsored Student Loan Debt Amount:* | ENGINR | | SYSTEM | |
|---|-----------------|-------------|-----------------|-------------|
| < \$1,000 | - | 0% | 4 | 0% |
| \$1,000 to \$4,999 | 18 | 6% | 163 | 6% |
| \$5,000 to \$9,999 | 38 | 12% | 353 | 13% |
| \$10,000 to \$14,999 | 44 | 14% | 412 | 15% |
| \$15,000 to \$19,999 | 40 | 13% | 327 | 12% |
| \$20,000 to \$29,999 | 85 | 28% | 670 | 24% |
| \$30,000 to \$39,999 | 44 | 14% | 411 | 15% |
| \$40,000 or More | 39 | 13% | 440 | 16% |
| Total | 308 | 100% | 2,780 | 100% |
| Median Gov't-Sponsored Student Loan Debt | \$20,000 | | \$20,000 | |

*includes only cases where government-sponsored debt was incurred



| 32. Outstanding Gov't-Sponsored Loan Debt Amount:* | ENGINR | | SYSTEM | |
|---|----------------|-------------|-----------------|-------------|
| None - Loan repaid in full | 99 | 34% | 629 | 24% |
| < \$1,000 | 1 | 0% | 11 | 0% |
| \$1,000 to \$4,999 | 17 | 6% | 183 | 7% |
| \$5,000 to \$9,999 | 34 | 12% | 333 | 13% |
| \$10,000 to \$14,999 | 32 | 11% | 294 | 11% |
| \$15,000 to \$19,999 | 33 | 11% | 257 | 10% |
| \$20,000 to \$29,999 | 34 | 12% | 408 | 15% |
| \$30,000 to \$39,999 | 19 | 7% | 248 | 9% |
| \$40,000 or More | 23 | 8% | 289 | 11% |
| Total | 292 | 100% | 2,652 | 100% |
| Median Gov't-Sponsored Loan Debt Outstanding | \$8,000 | | \$12,000 | |

*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided

